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June 24, 2005

MAIL STOP PCT
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP03/16840
-filed December 25, 2003

Re: Application of Tomonori KONDO, Shoji KITANOYA, Norihiko NADANAMI,
Noboru ISHIDA, and Takafumi OSHIMA
GAS SENSOR
Assignee: NGK SPARK PLUG CO., LTD.
Our Ref: Q88778

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- an English translation of the International Application.
- thirteen (13) sheets (Figs. 1-21) of drawings.
- a copy of the executed Assignment and PTO 1595 form.
- an Information Disclosure Statement and a copy of the ISR.
- a PTO/SB/08 A & B (modified) listing the ISR and other prior art references.
- a copy of each reference listed in the PTO/SB/08 A & B, except for U.S. patents and/or patent publications.
- a Preliminary Amendment.
- it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f)**

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The Government filing fee, after entry of the Preliminary Amendment, is calculated as follows:

Total claims	<u>25</u>	-	<u>20</u>	=	<u>5</u>	x	\$50.00	=	\$250.00
Independent claims	<u>4</u>	-	<u>3</u>	=	<u>1</u>	x	\$200.00	=	\$200.00
Base Fee									<u>\$300.00</u>

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Search Fee*	\$400.00
Examination Fee*	\$200.00
TOTAL FILING FEE	\$1350.00
Recordation of Assignment	\$ 40.00
TOTAL FEE	\$1390.00

* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$1350.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2002-380795	December 27, 2002
Japan	2003-403338	December 2, 2003

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'ajr'.

Abraham J. Rosner
Registration No. 33,276

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23373
CUSTOMER NUMBER

Date: June 24, 2005